



PCT10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,192

DATE: 11/18/2002

TIME: 15:14:35

Input Set : A:\EP.txt

Output Set: N:\CRF4\11182002\J018192.raw

W--> 1 Dkt. 1795/59138-B-PCT-US/JPW/PL *delete*

5 <110> APPLICANT: Synaptic Pharmaceutical Corporation

7 <120> TITLE OF INVENTION: DNA Encoding SNORF36a and SNORF36b Receptors

9 <130> FILE REFERENCE: 59138-B-PCT/JPW

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/018,192

C--> 12 <141> CURRENT FILING DATE: 2002-11-01

14 <150> PRIOR APPLICATION NUMBER: 09/518,914

15 <151> PRIOR FILING DATE: 2000-03-03

17 <150> PRIOR APPLICATION NUMBER: 09/303,593

18 <151> PRIOR FILING DATE: 1999-05-03

20 <160> NUMBER OF SEQ ID NOS: 48

22 <170> SOFTWARE: PatentIn Ver. 2.1

24 <210> SEQ ID NO: 1

25 <211> LENGTH: 1508

26 <212> TYPE: DNA

27 <213> ORGANISM: Homo sapiens

29 <400> SEQUENCE: 1

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32	agcctgggcc	ggtctccatc	catcagtcct	acagcacctg	ggacttgggc	tgctgcctgg	180
33	gtccccctcc	ccacgggtga	tgttccagac	catgcccact	ataccctggg	cacagtgatc	240
34	ttgctggtgg	gactcacggg	gatgctgggc	aacctgacgg	tcatctatac	cttctgcagg	300
35	agcagaagcc	tccggacacc	tgccaacatg	ttcattatca	acctcgcggt	cagcgacttc	360
36	ctcatgtcct	tcacccaggc	ccctgtcttc	ttcaccagta	gcctctataa	gcagtggctc	420
37	tttggggaga	caggctgcga	gttctatgcc	ttctgtggag	ctctctttgg	catttcctcc	480
38	atgatcacc	tgacggccat	cgccctggac	cgtacctgg	taatcacacg	cccgtgggcc	540
39	acctttggtg	tggcgtccaa	gaggcgtgog	gcatttgtcc	tgctgggcgt	ttggctctat	600
40	gccctggcct	ggagtctgcc	acccttcttc	ggctggagcg	cctacgtgcc	cgaggggttg	660
41	ctgacatcct	gctcctggga	ctacatgagc	ttcacgccgg	ccgtgcgtgc	ctacaccatg	720
42	cttctctgct	gcttcgtgtt	cttcctccct	ctgcttatca	tcactactg	ctacatcttc	780
43	atcttcagg	ccatccggga	gacaggacgg	gctctccaga	ccttcggggc	ctgcaagggc	840
44	aatggcgagt	ccctgtggca	gcggcagcgg	ctgcagagcg	agtgcaagat	ggccaagatc	900
45	atgctgctgg	tcatectcct	cttcgtgctc	tcctgggctc	cctattccgc	tgtggccctg	960
46	gtggcctttg	ctgggtacgc	acacgtcctg	acaccctaca	tgagctcggt	gccagccgtc	1020
49	atcgccaagg	cctctgcaat	ccacaacccc	atcatttacg	ccatcaccca	ccccaaagtc	1080
50	agggtggcca	ttgccagca	cctgccctgc	ctgggggtgc	tgctgggtgt	atcacgccgg	1140
51	cacagtcgcc	cctaccccgag	ctaccgctcc	acccaccgct	ccacgctgac	cagccacacc	1200
52	tccaacctca	gctggatctc	catacggagg	cgccaggagt	ccctgggctc	ggagagttag	1260
53	gtgggctgga	cacacatgga	ggcagcagct	gtgtggggag	ctgcccagca	agcaaattgg	1320
54	cggctccctct	acggtcaggg	tctggaggac	ttggaagcca	aggcaccccc	cagaccccag	1380
55	ggacacgaag	cagagactcc	agggaagacc	aaggggctga	tccccagcca	ggaccccagg	1440
56	atgtaggacg	cccactggct	ctccctttct	tctgagacac	atccagcccc	cccacgtctc	1500
57	cctcatat						1508

*Hand*  
Does Not Comply  
Corrected Diskette Needed

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61 <211> LENGTH: 478
62 <212> TYPE: PRT
63 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 2
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69 Pro Ser Cys Met Ala Thr Pro Ala Pro Pro Ser Trp Trp Asp Ser Ser
70           20           25           30
72 Gln Ser Ser Ile Ser Ser Leu Gly Arg Leu Pro Ser Ile Ser Pro Thr
73           35           40           45
75 Ala Pro Gly Thr Trp Ala Ala Ala Trp Val Pro Leu Pro Thr Val Asp
76           50           55           60
78 Val Pro Asp His Ala His Tyr Thr Leu Gly Thr Val Ile Leu Leu Val
79  65           70           75           80
81 Gly Leu Thr Gly Met Leu Gly Asn Leu Thr Val Ile Tyr Thr Phe Cys
82           85           90           95
84 Arg Ser Arg Ser Leu Arg Thr Pro Ala Asn Met Phe Ile Ile Asn Leu
85          100          105          110
87 Ala Val Ser Asp Phe Leu Met Ser Phe Thr Gln Ala Pro Val Phe Phe
88          115          120          125
90 Thr Ser Ser Leu Tyr Lys Gln Trp Leu Phe Gly Glu Thr Gly Cys Glu
91          130          135          140
93 Phe Tyr Ala Phe Cys Gly Ala Leu Phe Gly Ile Ser Ser Met Ile Thr
94 145          150          155          160
96 Leu Thr Ala Ile Ala Leu Asp Arg Tyr Leu Val Ile Thr Arg Pro Leu
99          165          170          175
101 Ala Thr Phe Gly Val Ala Ser Lys Arg Arg Ala Ala Phe Val Leu Leu
102          180          185          190
104 Gly Val Trp Leu Tyr Ala Leu Ala Trp Ser Leu Pro Pro Phe Phe Gly
105          195          200          205
107 Trp Ser Ala Tyr Val Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp
108          210          215          220
110 Tyr Met Ser Phe Thr Pro Ala Val Arg Ala Tyr Thr Met Leu Leu Cys
111 225          230          235          240
113 Cys Phe Val Phe Phe Leu Pro Leu Leu Ile Ile Ile Tyr Cys Tyr Ile
114          245          250          255
116 Phe Ile Phe Arg Ala Ile Arg Glu Thr Gly Arg Ala Leu Gln Thr Phe
117          260          265          270
119 Gly Ala Cys Lys Gly Asn Gly Glu Ser Leu Trp Gln Arg Gln Arg Leu
120          275          280          285
122 Gln Ser Glu Cys Lys Met Ala Lys Ile Met Leu Leu Val Ile Leu Leu
123          290          295          300
125 Phe Val Leu Ser Trp Ala Pro Tyr Ser Ala Val Ala Leu Val Ala Phe
126 305          310          315          320
128 Ala Gly Tyr Ala His Val Leu Thr Pro Tyr Met Ser Ser Val Pro Ala
129          325          330          335
131 Val Ile Ala Lys Ala Ser Ala Ile His Asn Pro Ile Ile Tyr Ala Ile
132          340          345          350

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134 Thr His Pro Lys Tyr Arg Val Ala Ile Ala Gln His Leu Pro Cys Leu
135          355          360          365
137 Gly Val Leu Leu Gly Val Ser Arg Arg His Ser Arg Pro Tyr Pro Ser
138          370          375          380
140 Tyr Arg Ser Thr His Arg Ser Thr Leu Thr Ser His Thr Ser Asn Leu
141 385          390          395          400
143 Ser Trp Ile Ser Ile Arg Arg Arg Gln Glu Ser Leu Gly Ser Glu Ser
144          405          410          415
147 Glu Val Gly Trp Thr His Met Glu Ala Ala Ala Val Trp Gly Ala Ala
148          420          425          430
150 Gln Gln Ala Asn Gly Arg Ser Leu Tyr Gly Gln Gly Leu Glu Asp Leu
151          435          440          445
153 Glu Ala Lys Ala Pro Pro Arg Pro Gln Gly His Glu Ala Glu Thr Pro
154          450          455          460
156 Gly Lys Thr Lys Gly Leu Ile Pro Ser Gln Asp Pro Arg Met
157 465          470          475
160 <210> SEQ ID NO: 3
161 <211> LENGTH: 1541
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 3
166 caactcagga tgaacctcc ttcggggcca agagtccgc ccagcccaac ccaagagccc 60
167 agctgcatgg ccaccccagc accacccagc tgggtggaca gctcccagag cagcatctcc 120
168 agcctgggccc ggcttccatc catcagtccc acagcacctg ggacttgggc tgctgcctgg 180
169 gtccccctcc ccacggttga tgttcagac catgccact atacctggg cacagtgatc 240
170 ttgtctggtg gactcacggg gatgctgggc aacctgacgg tcatctatac cttctgcaga 300
171 gctgtgcttc gtggagtcac tgtgatgatg cagagcagaa gcctccggac acctgccaac 360
172 atgttcatta tcaacctcgc ggtcagcgac ttcctcatgt ccttcaccca ggcccctgtc 420
173 ttcttcacca gttagcctcta taagcagtgg ctctttgggg agacaggctg cgagttctat 480
174 gccttctgtg gagctctctt tggcatttcc tccatgatca ccctgacggc catcgccctg 540
175 gaccgctacc tggtaatcac acgccgctg gccaccttg gtgtggcgtc caagaggcgt 600
176 gcggcatttg tctgctggg cgtttggctc tatgccctgg cctggagtct gccacccttc 660
177 ttcggctgga gcgcctacgt gcccgagggg ttgtgacat cctgctcctg ggactacatg 720
178 agcttcacgc cggcctgctg tgcctacacc atgcttctct gctgcttctg gttcttcttc 780
179 cctctgctta tcatcatcta ctgctacatc ttcattctca gggccatccg ggagacagga 840
180 cgggctctcc agaccttcgg ggctgcaag ggcaatggcg agtccctgtg gcagcggcag 900
181 cggctgcaga gcgagtgcaa gatggccaag atcatgctgc tggatccct cctcttcgtg 960
182 ctctcctggg ctccctattc cgtgtgggcc ctggtggcct ttgtctgggt cgcacacgtc 1020
183 ctgacaccct acatgagctc ggtgccagcc gtcacgccca aggcctctgc aatccacaac 1080
184 cccatcattt acgccatcac ccaccccaag tacagggtgg ccattgcccc gcacctgccc 1140
185 tgccctgggg tgctgctggg tgtatcacgc cggcacagtc gcccctaccc cagctaccgc 1200
186 tccacccacc gctccacgct gaccagccac acctccaacc tcagctggat ctccatacgg 1260
187 aggcgccagg agtccctggg ctccggagagt gaggtgggct ggacacacat ggaggcagca 1320
188 gctgtgtggg gtagctgccc gcaagcaaat gggcggtccc tctacggtea gggctggag 1380
189 gacttggaag ccaaggcacc cccagacccc cagggacacg aagcagagac tccagggaag 1440
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191 tcttctgaga cacatccagc ccccccacgt ctccctcata t 1541
195 <210> SEQ ID NO: 4
196 <211> LENGTH: 489

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197 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 4
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204 Pro Ser Cys Met Ala Thr Pro Ala Pro Pro Ser Trp Trp Asp Ser Ser
205 20 25 30
207 Gln Ser Ser Ile Ser Ser Leu Gly Arg Leu Pro Ser Ile Ser Pro Thr
208 35 40 45
210 Ala Pro Gly Thr Trp Ala Ala Ala Trp Val Pro Leu Pro Thr Val Asp
211 50 55 60
213 Val Pro Asp His Ala His Tyr Thr Leu Gly Thr Val Ile Leu Leu Val
214 65 70 75 80
216 Gly Leu Thr Gly Met Leu Gly Asn Leu Thr Val Ile Tyr Thr Phe Cys
217 85 90 95
219 Arg Ala Val Leu Arg Gly Val Thr Val Met Met Gln Ser Arg Ser Leu
220 100 105 110
222 Arg Thr Pro Ala Asn Met Phe Ile Ile Asn Leu Ala Val Ser Asp Phe
223 115 120 125
225 Leu Met Ser Phe Thr Gln Ala Pro Val Phe Phe Thr Ser Ser Leu Tyr
226 130 135 140
228 Lys Gln Trp Leu Phe Gly Glu Thr Gly Cys Glu Phe Tyr Ala Phe Cys
229 145 150 155 160
231 Gly Ala Leu Phe Gly Ile Ser Ser Met Ile Thr Leu Thr Ala Ile Ala
232 165 170 175
234 Leu Asp Arg Tyr Leu Val Ile Thr Arg Pro Leu Ala Thr Phe Gly Val
235 180 185 190
237 Ala Ser Lys Arg Arg Ala Ala Phe Val Leu Leu Gly Val Trp Leu Tyr
238 195 200 205
240 Ala Leu Ala Trp Ser Leu Pro Pro Phe Phe Gly Trp Ser Ala Tyr Val
243 210 215 220
245 Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp Tyr Met Ser Phe Thr
246 225 230 235 240
248 Pro Ala Val Arg Ala Tyr Thr Met Leu Leu Cys Cys Phe Val Phe Phe
249 245 250 255
251 Leu Pro Leu Leu Ile Ile Ile Tyr Cys Tyr Ile Phe Ile Phe Arg Ala
252 260 265 270
254 Ile Arg Glu Thr Gly Arg Ala Leu Gln Thr Phe Gly Ala Cys Lys Gly
255 275 280 285
257 Asn Gly Glu Ser Leu Trp Gln Arg Gln Arg Leu Gln Ser Glu Cys Lys
258 290 295 300
260 Met Ala Lys Ile Met Leu Leu Val Ile Leu Leu Phe Val Leu Ser Trp
261 305 310 315 320
263 Ala Pro Tyr Ser Ala Val Ala Leu Val Ala Phe Ala Gly Tyr Ala His
264 325 330 335
266 Val Leu Thr Pro Tyr Met Ser Ser Val Pro Ala Val Ile Ala Lys Ala
267 340 345 350
269 Ser Ala Ile His Asn Pro Ile Ile Tyr Ala Ile Thr His Pro Lys Tyr
270 355 360 365

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272 Arg Val Ala Ile Ala Gln His Leu Pro Cys Leu Gly Val Leu Leu Gly
273      370                      375                      380
275 Val Ser Arg Arg His Ser Arg Pro Tyr Pro Ser Tyr Arg Ser Thr His
276 385                      390                      395                      400
278 Arg Ser Thr Leu Thr Ser His Thr Ser Asn Leu Ser Trp Ile Ser Ile
279                      405                      410                      415
281 Arg Arg Arg Gln Glu Ser Leu Gly Ser Glu Ser Glu Val Gly Trp Thr
282                      420                      425                      430
284 His Met Glu Ala Ala Ala Val Trp Gly Ala Ala Gln Gln Ala Asn Gly
285                      435                      440                      445
287 Arg Ser Leu Tyr Gly Gln Gly Leu Glu Asp Leu Glu Ala Lys Ala Pro
288                      450                      455                      460
291 Pro Arg Pro Gln Gly His Glu Ala Glu Thr Pro Gly Lys Thr Lys Gly
292 465                      470                      475                      480
294 Leu Ile Pro Ser Gln Asp Pro Arg Met
295                      485
298 <210> SEQ ID NO: 5
299 <211> LENGTH: 250
300 <212> TYPE: DNA
301 <213> ORGANISM: Rattus norvegicus
303 <400> SEQUENCE: 5
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306 gccgcctttc ttggctgga gcgcctacgt gcccgagggg ctgctgacat cctgctcctg 180
307 ggactacgtg accttcacgc ccctcggtgc cgcctacacc atgctgctct tctgctttgt 240
308 cttcttcctc                                     250
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312 <211> LENGTH: 83
313 <212> TYPE: PRT
314 <213> ORGANISM: Rattus norvegicus
316 <400> SEQUENCE: 6
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320 Gly Met Arg Ser Lys Arg Arg Thr Ala Leu Val Leu Leu Gly Val Trp
321                      20                      25                      30
323 Leu Tyr Ala Leu Ala Trp Ser Leu Pro Pro Phe Phe Gly Trp Ser Ala
324                      35                      40                      45
326 Tyr Val Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp Tyr Val Thr
327 50                      55                      60
329 Phe Thr Pro Leu Val Arg Ala Tyr Thr Met Leu Leu Phe Cys Phe Val
330 65                      70                      75                      80
332 Phe Phe Leu
336 <210> SEQ ID NO: 7
339 <211> LENGTH: 1473
340 <212> TYPE: DNA
341 <213> ORGANISM: Rattus norvegicus
343 <400> SEQUENCE: 7
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/018,192

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Output Set: N:\CRF4\11182002\J018192.raw

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L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date